

Claims

1. A cellular radio telephone, formed from a user selected combination of one of a plurality of user input/output devices and a cellular transceiver, wherein the cellular transceiver comprises cellular radio transceiver circuitry for communicating in a cellular radio telephone network and a first low power wireless transceiver; and each of the plurality of input/output devices comprises an audio input device and an audio output device, and a second low power wireless transceiver for communicating with the first low power wireless transceiver of the cellular transceiver portion, whereby a user can select one of the plurality of user input/output devices for use as part of the cellular telephone and can communicate using the audio input and output devices of the selected user input/output device in the cellular radio telephone network when the selected input/output device and cellular transceiver are physically separated.
2. A cellular radio telephone as claimed in claim 1 wherein the user input/output devices are either of a limited function type without a display or of a comprehensive function type with a display.
3. A cellular radio telephone as claimed in claim 1 or 2 wherein the user input/output devices are housed in an ornamental housing customised to a user's specification at manufacture.
4. A cellular radio telephone as claimed in any preceding claim wherein the user input/output devices are elongate and dimensioned to be held by a user between a finger and a thumb and used when so held.
5. A cellular radio telephone as claimed in any preceding claim wherein each of the user input/output devices has a clip.
6. A cellular radio telephone as claimed in any preceding claim wherein the clip of a user input/output device provides at least one output port for the audio output device.

7. A cellular radio telephone as claimed in any preceding claim wherein each of the user input/output devices is housed in an ornamental housing comprising precious metal and/or precious or semi-precious gems.
8. A cellular radio telephone as claimed in any preceding claim wherein each of the user input/output devices further comprise a gem or gem-like visual indicator for alerting a user to an incoming call.
9. A cellular radio telephone as claimed in any preceding claim wherein each of the user input/output devices has input means that allow the user to control remotely one or more of the following radio telephone functions: answering an incoming call, ending an on-going call, muting the current call and voice dialling.
10. A cellular radio telephone substantially as hereinbefore described with reference to and/or as shown in Figures 2 to 5.
11. A cellular transceiver device, for use in a cellular radio transceiver as claimed in any preceding claim.
12. A user input/output device, for use in a cellular radio transceiver as claimed in any one of claims 1 to 10.
13. A cellular radio telephone, formed from a user selected combination of one of a plurality of cellular transceivers and a user input/output device, wherein each of the cellular transceivers comprises cellular radio transceiver circuitry for communicating in a cellular radio telephone network and a first low power wireless transceiver; and the input/output device comprises an audio input device and an audio output device, and a second low power wireless transceiver for communicating with the first low power wireless transceiver of the cellular transceiver portion, whereby a user can select one of the plurality of cellular transceiver devices for use as part of the cellular telephone and can communicate using the audio input and output devices of the user input/output device in the cellular radio telephone network when the input/output device and the selected cellular transceiver are

physically separated.

14. A cellular radio telephone as claimed in claim 13 wherein there is a predetermined plurality of cellular transceivers from which a user may select.

15. A cellular radio telephone as claimed in claim 13 wherein each of the predetermined plurality of cellular transceivers has a different housing ornamentation and/or a different functionality.

16. A cellular radio telephone as claimed in claim 13 wherein each of the predetermined plurality of cellular transceivers has a different housing ornamentation.

17. A cellular radio telephone as claimed in any one of claims 14, 15 or 16 wherein the user input/output device is housed in an ornamental housing customised to a user's specification at manufacture.

18. A cellular radio telephone as claimed in any one of claims 13 to 17 wherein the user input/output device is elongate and dimensioned to be held by a user between a finger and a thumb and used when so held.

19. A cellular radio telephone as claimed in any one of claims 13 to 18 wherein the user input/output device has a clip.

20. A cellular radio telephone as claimed in any one of claims 13 to 19 wherein the clip of the user input/output device provides at least one output port for the audio output device.

21. A cellular radio telephone as claimed in any one of claims 13 to 20 wherein the user input/output device is housed in an ornamental housing comprising precious metal and/or precious or semi-precious gems.

22. A cellular radio telephone as claimed in any one of claims 13 to 21 wherein the user input/output device further comprises a gem or gem-like visual indicator for

alerting a user to an incoming call.

23. A cellular radio telephone as claimed in any one of claims 13 to 22 wherein the user input/output device has input means that allow the user to control remotely one or more of the following radio telephone functions: answering an incoming call, ending an on-going call, muting the current call and voice dialling.

24. A cellular radio telephone as claimed in any one of claims 13 to 23 wherein the user input/output device further comprises a display.

25. A cellular transceiver, for use in a cellular radio transceiver as claimed in any one of claims 13 to 24.

26. A user input/output device, for use in a cellular radio transceiver as claimed in any one of claims 13 to 24.

27. A cellular radio telephone substantially as hereinbefore described with reference to and/or as shown in Figures 2 to 5.

28. A cellular radio telephone having an audio input device and an audio output device with which a user can communicate in a cellular radio telephone network, comprising:

a user input/output portion comprising a first audio input device and a first audio output device, and a first low power wireless transceiver;

a cellular transceiver portion comprising cellular radio transceiver circuitry for communicating in the cellular radio telephone network, a second low power wireless transceiver for communicating with the first low power wireless transceiver of the user input/output portion, and a second audio input device and a second audio output device

wherein, when the cellular transceiver portion and the user input/output portion are physically separated, the cellular radio telephone has a first default mode of operation in which the first and second low power wireless transceivers enable a user to communicate using the first audio input device and the first audio output device in the cellular radio telephone.

29. A cellular telephone as claimed in claim 28 wherein the cellular telephone has a second mode of operation in which the second audio input and second audio output devices of the cellular transceiver portion are operable to enable a user to communicate in the cellular radio telephone network.

30. A cellular telephone as claimed in claims 28 or 29 further comprising user selection means by which a user selects whether the radio telephone operates in the first mode or the second mode.

31. A cellular telephone as claimed in claims 28, 29 or 30 arranged to automatically operate in the second mode when the first and second low power transceiver portions are unable to communicate with each other.

32. A cellular telephone as claimed in any one of claims 28 to 31 having a first configuration in which the user input/output portion and the cellular transceiver portion are physically separated and a second configuration in which the user input/output portion and the cellular transceiver portion are electrically connected, wherein the cellular telephone is arranged to operate automatically in the first mode in the first configuration and the first mode in the second configuration.

33. A cellular telephone as claimed in any one of claims 28 to 32 having a first configuration in which the user input/output portion and the cellular transceiver portion are physically separated and a second configuration in which the user input/output portion and the cellular transceiver portion are electrically connected, wherein the cellular telephone is arranged to operate automatically in the first mode in the first configuration and the second mode in the second configuration.

34. A cellular telephone as claimed in any one of claims 28 to 33 having a first configuration in which the user input/output portion and the cellular transceiver portion are physically separated and a second configuration in which the user input/output portion and the cellular transceiver portion are electrically connected, wherein the cellular telephone is arranged to operate automatically in the first mode in the first configuration and is operable to operate in the first or

second mode in the second configuration.

35. Any novel subject matter or combination including novel subject matter disclosed, whether or not within the scope of or relating to the same invention as any one of the preceding claims.